Rec'd PCT/PTO 05 MAY 2005

INTERNATIONAL SEARCH REPORT

International application No.

		PCT/US03/3274	1			
IPC(7)	SSIFICATION OF SUBJECT MATTER : C03B 37/14, 37/15					
US CL : 65/387, 393, 392						
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 65/387, 393, 392						
Documentation	on searched other than minimum documentation to the	e extent that such documents are included	in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a		Relevant to claim No.			
х	US 5,822,930 A (KLEIN) 20 OCTOBER 1998 (20.	10.1998), figure 1.	39-44, 122-123, 129- 130, 135-136, 154-155, 159-160, 165			
X	US 6,260,388 B1 (BORRELLI et al) 17 July 2001 (,260,388 B1 (BORRELLI et al) 17 July 2001 (17.07.2001), claims 1-2. 39-44, 122-123, 129-130, 135-136, 154-155 159-160, 165				
X	US 5,751,871 A (KRIVOSHLYKOV et al) 12 May 1998 (12.05.1998), figures 2 and 6. 39-44, 122-123, 129-130, 135-136, 154-155 159-160, 165					
х	130, 135-136		39-44, 122-123, 129- 130, 135-136, 154-155, 159-160, 165			
Further	documents are listed in the continuation of Box C.	See patent family annex.				
* Si	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance	"T" later document published after the integrate and not in conflict with the application principle or theory underlying the inv	cation but cited to understand the			
•	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art				
"P" document published prior to the international filing date but later than the		"&" document member of the same patent				
Date of the actual completion of the international search		Date of mailing of the international search report				
22 March 2004 (22.03.2004)		3 0 APR 2004				
Name and mailing address of the ISA/US		Authorized officer				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Steve Griffin And Wall				
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 571-272-1700				
Facsimile No. (703) 305-3230						
Form PCT/ISA/210 (second sheet) (July 1998)						

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Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)

International application No.

PCT/US03/32741

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claim Nos.: 1,2,22-24,27,35,46,80-82,117,118,124-127,141,142 and 189 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Please See Continuation Sheet				
3. Claim Nos.: 3-21,25,26,28-34,36-38,45,47-79,83-116,119-121,128,131-134,137-140,143,153,156-158,161-164 and 166-188 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of Item 2 of First sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest The additional search fees were accompanied by the applicant's protest.				
No protest accompanied the payment of additional scarch fees,				

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INTERNATIONAL SEARCH REPORT

ategory •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. 39-44, 122-123, 129- 130, 135-136, 154- 155, 159-160, 165
x	US 4,886,537 A (PATRICK) 12 December 1989 (12.12.1978), col. 6, line 14-39.	

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Continuation of Box I Reason 2: Present claims 1,2,22-24,27,35,46,80-82,117,118,124-127,141, and 142 relate to a manufacturing a micro structure. Support within the meaning of Article 6 PCT an found, however for only a very small proportion of the methods claimed. In the presapplication so lacks disclosure, that a meaningful search over the whole of the claim embodiments and comparative examples, necessary for rendering plausible the presarge number of method claims presently on file, which render it difficult to determ present application fauils to comply with the clarity and conciseness requirment of that a meaningful search is impossible. Claim 189 depends from itself.	and disclosure withing the meaning of Article 5 is to be esent case, the claims so lack support, and the med scope is impossible. The description lacks sence of technical effect. Furthermore, in view of the nine the matter for which proctection is sought, the
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Form PCT/ISA/210 (second sheet) (July 1998)